

### IN THE CLAIMS

Please amend the claims as follows. This claim set is to replace all prior versions.

1. (Original) A method for recycling expanded polystyrene comprising steps of:  
  
reducing a volume of the expanded polystyrene;  
dissolving the volume-reduced expanded polystyrene in a solvent; and  
extruding the dissolved expanded polystyrene.
2. (Original) The method according to Claim 1, further comprising a step of producing recycled expanded polystyrene from the extruded product.
3. (Previously Presented) The method according to Claim 1, wherein the volume reducing step comprises volume-reduction by mechanical compression and/or volume-reduction by partial melting at a temperature not greater than 200°C.
4. (Previously Presented) The method according to Claim 1, wherein the solvent used in the dissolving step has a boiling point not greater than 150°C.
5. (Previously Presented) The method according to Claim 1, wherein the solvent used in the dissolving step is methylene chloride.
6. (Original) The method according to Claim 5, wherein the solvent further comprises unsaturated hydrocarbon having 5 to 7 carbon atoms and/or epoxide.
7. (Previously Presented) The method according to Claim 1, further comprising a first transportation step for transporting the volume-reduced expanded polystyrene after the volume reducing step to carry out the dissolving step at another place.

8. (Previously Presented) The method according to Claim 7, further comprising a second transportation step for transporting the extruded product after the extruding step to produce recycled expanded polystyrene at another place.

9. (Original) The method according to Claim 8, further comprising, after the second transportation step, a step of impregnating the extrusion product with an expanding agent and a third transportation step for transporting the product.

10. – 12. (Cancelled.)

13. (Previously Presented) The method according to Claim 2, wherein the volume reducing step comprises volume-reduction by mechanical compression and/or volume-reduction by partial melting at a temperature not greater than 200°C.

14. (Previously Presented) The method according to Claim 3, wherein the solvent used in the dissolving step has a boiling point not greater than 150°C.

15. (Previously Presented) The method according to Claim 7, wherein the solvent used in the dissolving step has a boiling point not greater than 150°C.

16. (Previously Presented) The method according to Claim 8, wherein the solvent used in the dissolving step has a boiling point not greater than 150°C.